

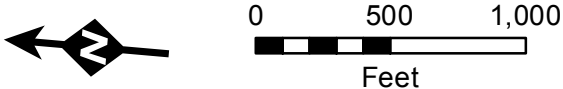
**Figure 5a. Distribution of Surface Sediment Chemistry for 1,2,3,7,8 - PeCDD**



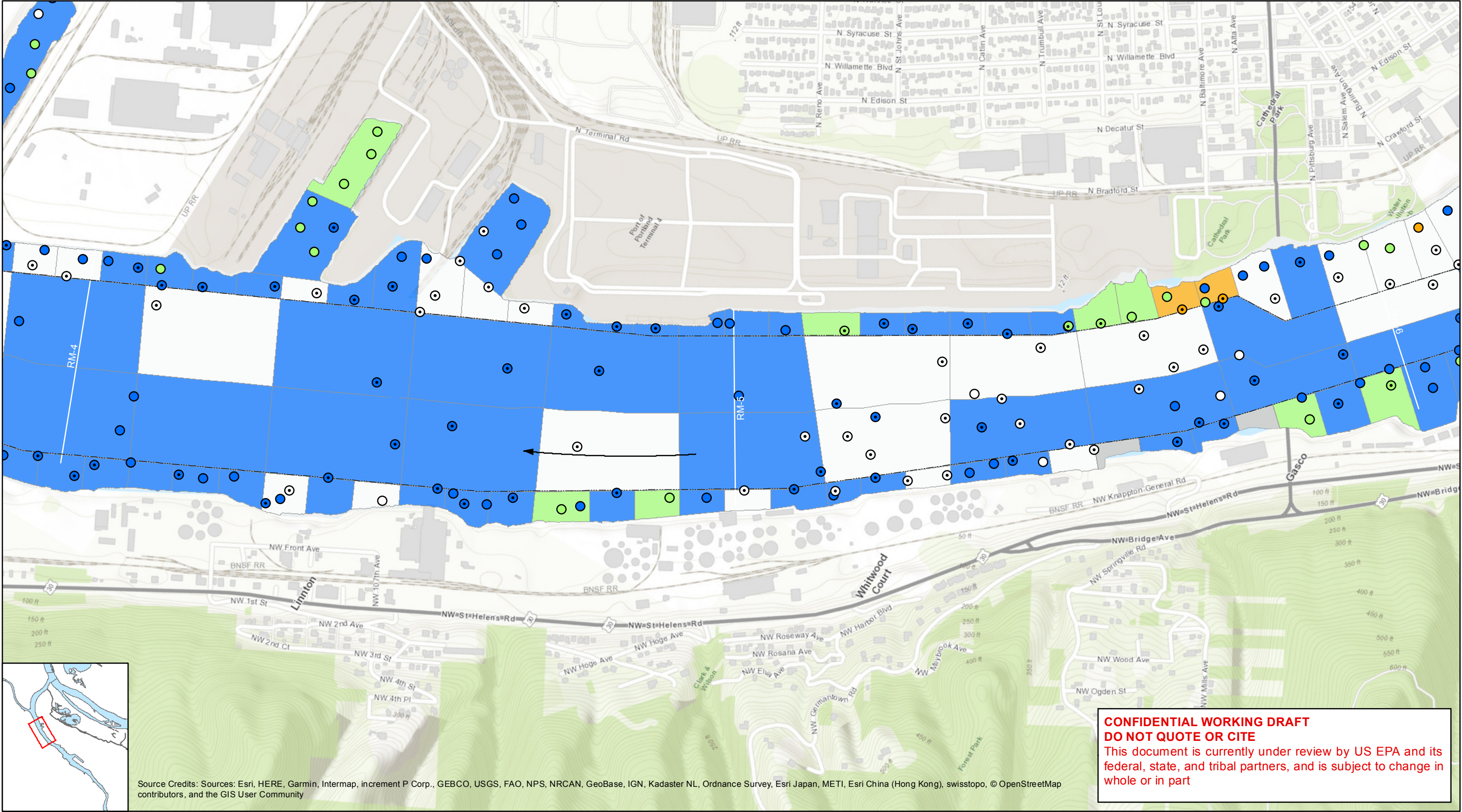


- Legend**
- |                          |                    |                                                   |                                                              |
|--------------------------|--------------------|---------------------------------------------------|--------------------------------------------------------------|
| <b>Sampling Location</b> | <b>River Flow</b>  | <b>1,2,3,7,8-PeCDD (ug/kg) - Surface Sediment</b> | <b>&gt; 0.0008 (Nearshore RAL) - 0.003 (Nav Channel RAL)</b> |
| ○ Detected               | Navigation Channel | ◇ < 0.0002 (CUL)                                  | ◇ > 0.003 (Nav Channel RAL) - 0.01 (PTW Threshold)           |
| ⊙ Not Detected           | River Area         | ◆ > 0.0002 (CUL) - 0.0008 (Nearshore RAL)         | ◆ > 0.01 (PTW Threshold)                                     |
| ■ Grid Cell Location     |                    | ◇ No Data                                         |                                                              |

Figure 5b.  
1,2,3,7,8-PeCDD with Selection Grid  
River Mile 1.9 to 4







**Legend**

**Sampling Location**

- Detected
- Not Detected
- Grid Cell Location

**River Flow**

- ← River Flow

**Navigation Channel**

- Navigation Channel

**River Area**

- River Area

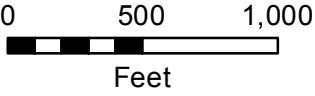
**1,2,3,7,8-PeCDD (ug/kg) - Surface Sediment**

- ◇ < 0.0002 (CUL)
- ◆ > 0.0002 (CUL) - 0.0008 (Nearshore RAL)

**> 0.0008 (Nearshore RAL) - 0.003 (Nav Channel RAL)**

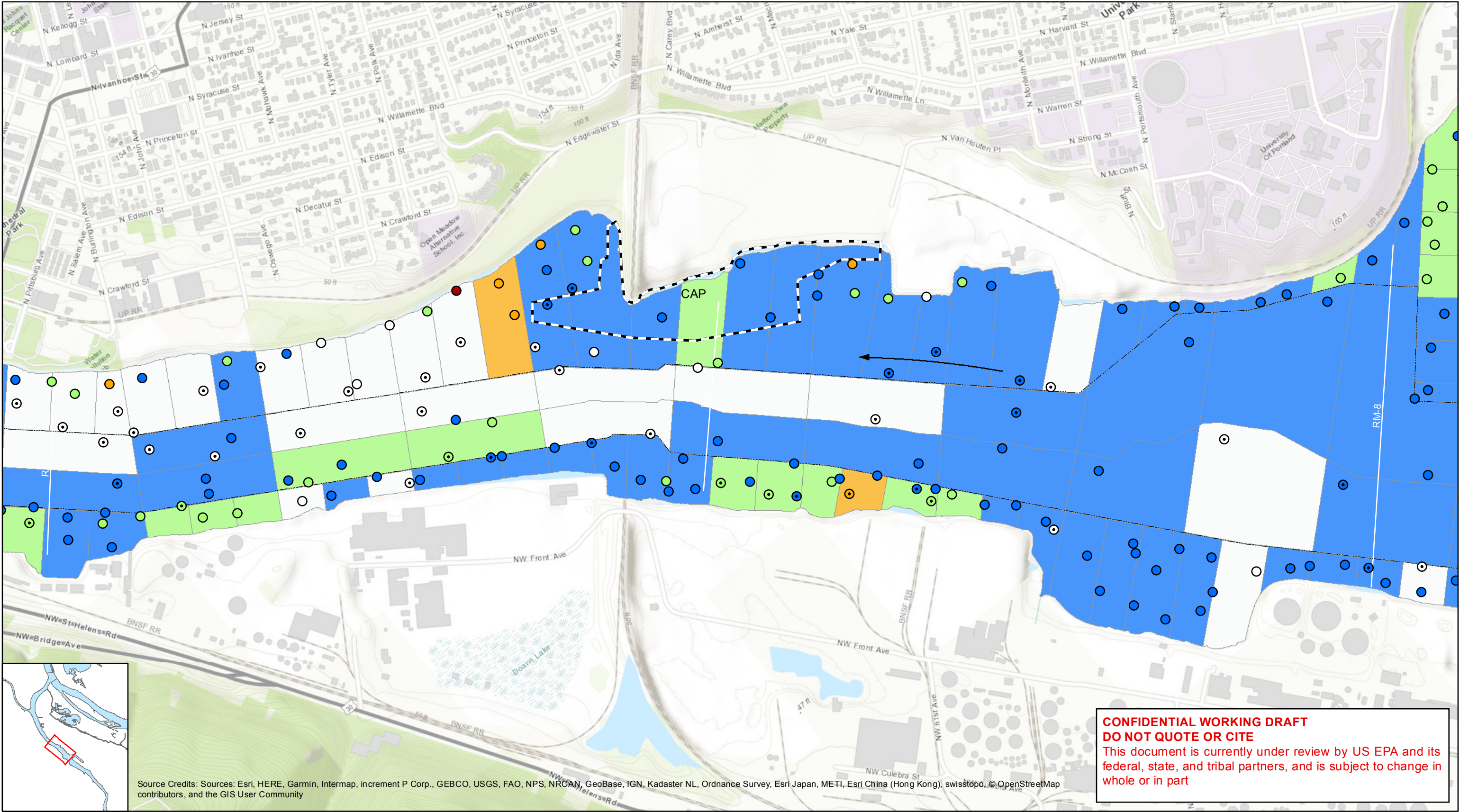
- ◆ > 0.0008 (Nearshore RAL) - 0.003 (Nav Channel RAL)
- ◆ > 0.003 (Nav Channel RAL) - 0.01 (PTW Threshold)
- ◆ > 0.01 (PTW Threshold)
- ◇ No Data

Figure 5c.  
1,2,3,7,8-PeCDD with Selection Grid  
River Mile 4 to 6



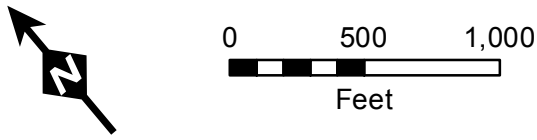


Path: E:\\_Projects\Portland Harbor\GIS\MapDocuments\Post ROD Phase\PDI 2018 Sampling\Fig5b-f\_PeCDD\_Pre-RD-Sampling\_byRM.mxd



- Legend**
- |                          |                    |                                                   |                                                    |
|--------------------------|--------------------|---------------------------------------------------|----------------------------------------------------|
| <b>Sampling Location</b> | River Flow         | <b>1,2,3,7,8-PeCDD (ug/kg) - Surface Sediment</b> | > 0.0008 (Nearshore RAL) - 0.003 (Nav Channel RAL) |
| Detected                 | Navigation Channel | < 0.0002 (CUL)                                    | > 0.003 (Nav Channel RAL) - 0.01 (PTW Threshold)   |
| Not Detected             | River Area         | > 0.0002 (CUL) - 0.0008 (Nearshore RAL)           | > 0.01 (PTW Threshold)                             |
| Grid Cell Location       |                    | No Data                                           |                                                    |

Figure 5d.  
1,2,3,7,8-PeCDD with Selection Grid  
River Mile 6 to 8



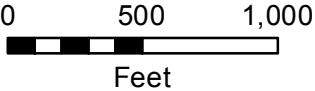


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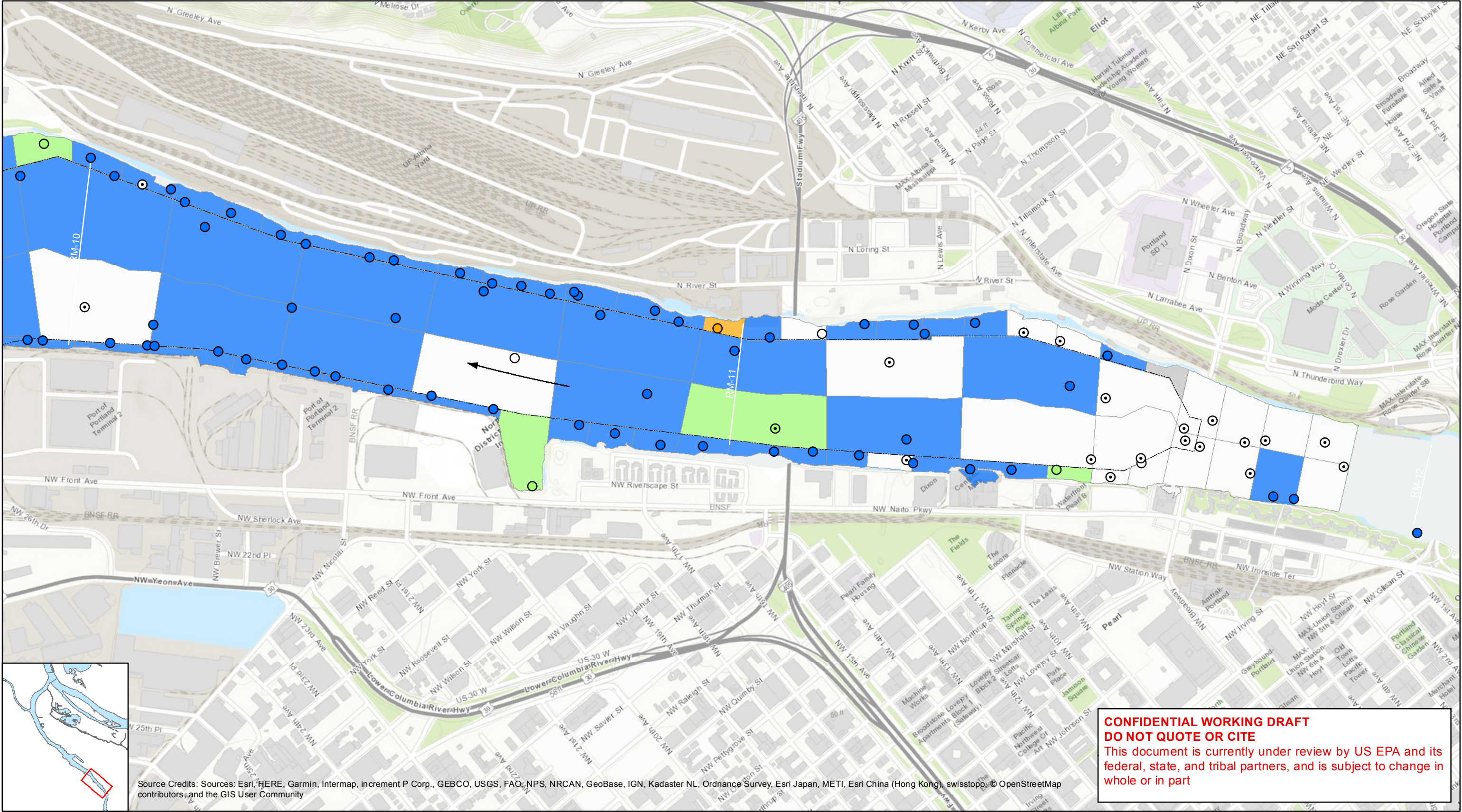
- Legend**
- |                          |                    |                                                   |                                                    |
|--------------------------|--------------------|---------------------------------------------------|----------------------------------------------------|
| <b>Sampling Location</b> | River Flow         | <b>1,2,3,7,8-PeCDD (ug/kg) - Surface Sediment</b> | > 0.0008 (Nearshore RAL) - 0.003 (Nav Channel RAL) |
| Detected                 | Navigation Channel | < 0.0002 (CUL)                                    | > 0.003 (Nav Channel RAL) - 0.01 (PTW Threshold)   |
| Not Detected             | River Area         | > 0.0002 (CUL) - 0.0008 (Nearshore RAL)           | > 0.01 (PTW Threshold)                             |
| Grid Cell Location       |                    | No Data                                           |                                                    |

Figure 5e.  
1,2,3,7,8-PeCDD with Selection Grid  
River Mile 8 to 10





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**Legend**

**Sampling Location**

- Detected
- ⊙ Not Detected
- Grid Cell Location

**River Flow**

- ← River Flow

**Navigation Channel**

- Navigation Channel

**River Area**

- River Area

**1,2,3,7,8-PeCDD (ug/kg) - Surface Sediment**

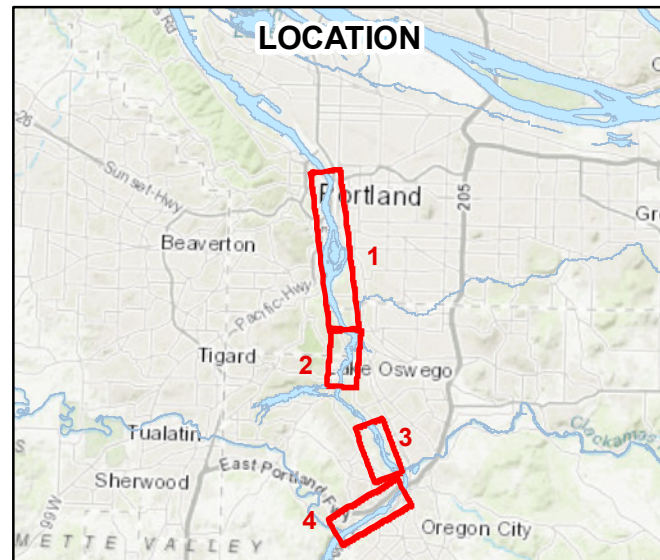
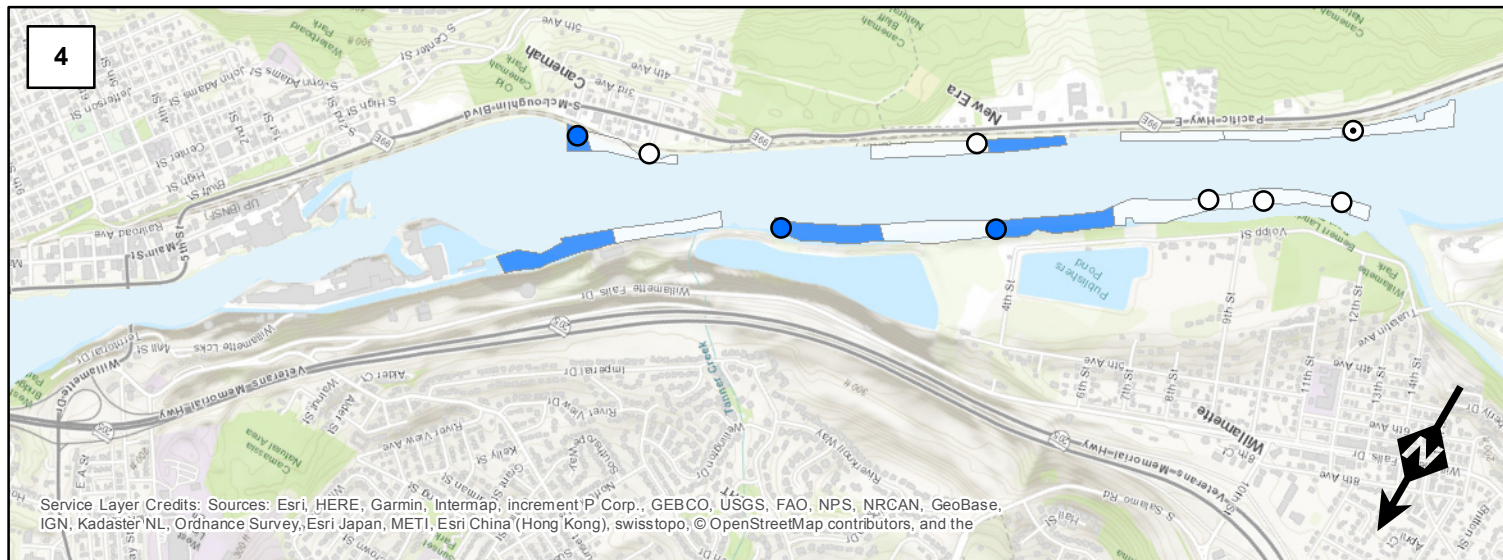
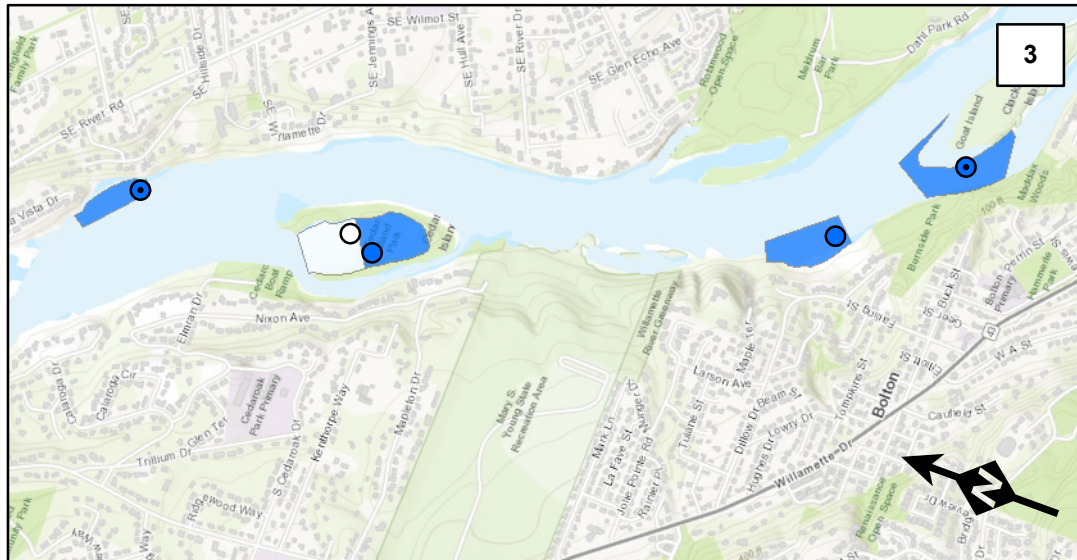
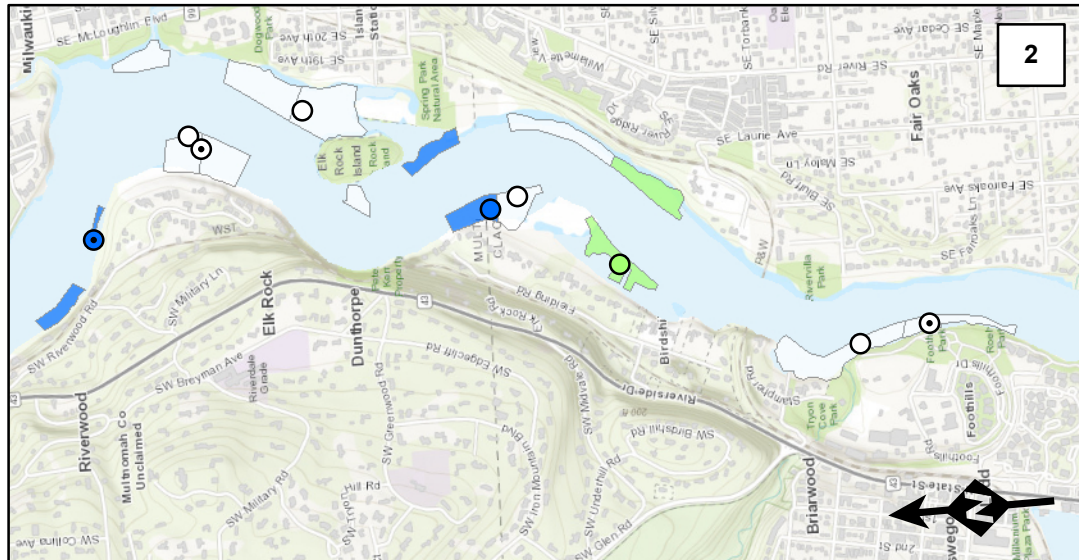
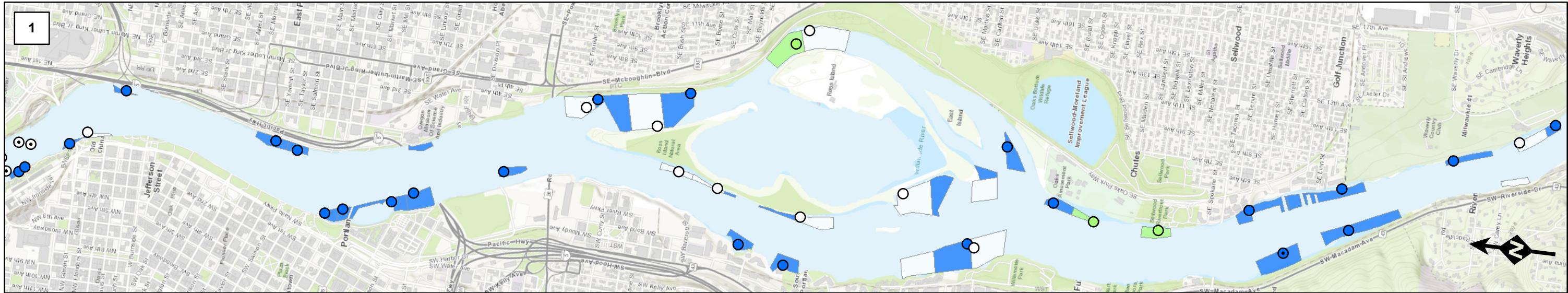
- ◇ < 0.0002 (CUL)
- ◆ > 0.0002 (CUL) - 0.0008 (Nearshore RAL)

**> 0.0008 (Nearshore RAL) - 0.003 (Nav Channel RAL)**

- ◆ > 0.0008 (Nearshore RAL) - 0.003 (Nav Channel RAL)
- ◆ > 0.003 (Nav Channel RAL) - 0.01 (PTW Threshold)
- ◆ > 0.01 (PTW Threshold)
- ◇ No Data

Figure 5f.  
1,2,3,7,8-PeCDD with Selection Grid  
River Mile 10 to 12





**Legend**

**Sampling Location**

- Detected
- Not Detected
- Grid Cell Location

**1,2,3,7,8-PeCDD (ug/kg) - Surface Sediment**

- < 0.0002 (CUL)
- > 0.0002 (CUL) - 0.0008 (Nearshore RAL)
- > 0.0008 (Nearshore RAL) - 0.003 (Nav Channel RAL)
- > 0.003 (Nav Channel RAL) - 0.01 (PTW Threshold)
- > 0.01 (PTW Threshold)

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This document is currently under review by US EPA and its federal, state, and tribal partners, and is subject to change in whole or in part

0 1,000 2,000 3,000 4,000  
Feet

Distribution of Surface Sediment Chemistry for 1,2,3,7,8 - PeCDD (2018 Downtown and Upstream Samples)